

*Arizona Department of Environmental Quality
Water Quality Assurance Revolving Fund
2008 Annual Registry Report
EQR 08-04*

**Arizona Department of Environmental Quality
2008 Water Quality Assurance Revolving Fund Registry**

Pursuant to A.R.S. § 49-287.01 (E), the Arizona Department of Environmental Quality (ADEQ) is providing this annual report of the location, remedial status, and score of the sites on the Water Quality Assurance Revolving Fund (WQARF) Registry as of December 31, 2007. The Registry includes those sites within the state that may pose risk to public health, welfare or the environment from the release of hazardous substances and for which there is current or planned investigation and cleanup. There are 35 sites on the WQARF Registry:

22 in Maricopa County,
7 in Pima County,
3 in Gila County,
1 in Graham County,
1 in La Paz County, and
1 in Yuma County

Sites on the Registry are scored based in part upon the type of contamination present, the location of the contamination, and the number of people that may be affected. The maximum score a site may receive is 120. Scores are used to help determine relative risk from the site and do not necessarily mean that there is direct exposure of contaminants. Whether the site is currently being remediated or is being investigated, ADEQ takes steps to identify the contamination and to prevent exposure.

The Registry and additional information regarding these sites is available on ADEQ's Web site at <http://www.azdeq.gov/envIRON/waste/sps/program.html>. With a 24 hour notice, an appointment to review the Registry and additional information is available Monday through Friday from 8:30 a.m. to 4:30 p.m., at ADEQ, Records Management Center, 1110 W. Washington St., Phoenix, AZ. Please contact (602) 771-4380 or 1(800) 234-5677, toll free in Arizona to schedule an appointment.

7th Avenue and Bethany Home Road – This site was placed on the WQARF Registry on August 25, 2004 and has a score of 29. The site is located in Phoenix and is bounded to the north by Berridge Lane, to the south by Bethany Home Road, to the east by 6th Avenue, to the west by 8th Avenue and includes the 2.6-acre former shopping center that housed a dry cleaning facility.

ADEQ initiated an Early Response Action (ERA) Evaluation on the site in October 2004 to collect data necessary to characterize the source area of tetrachloroethene (PCE) contamination below the site. The ERA Evaluation consisted of drilling 10 soil borings and the installation of five soil vapor extraction wells and two groundwater monitor wells at the site. Additional off-site groundwater monitor wells were installed in 2005.

Based on the results of the ERA Evaluation, soil vapor extraction (SVE) was chosen for remediation of PCE contaminated soil beneath the site. The SVE system began operations in June 2005 and the SVE system was shut down in January 2006 after recovering approximately 380 pounds of volatile organic compounds. Confirmation soil samples confirmed that the source area soils had been successfully remediated to levels that are below ADEQ Soil Remediation Levels and Groundwater Protection Levels. Remediation strategies for PCE contaminated groundwater are currently being evaluated and quarterly groundwater monitoring is on-going. There are no drinking water production wells within the confines of the site, but ADEQ is closely monitoring the movement of the groundwater plume. Two Salt River Project irrigation wells near the site have been tested, and concentrations of PCE were not detected above the regulatory standard.

Contaminants of concern at the site include PCE and trichloroethene (TCE).

7th Street and Arizona Avenue – This site was placed on the WQARF Registry in April 2000 and has a score of 40. The site is located in downtown Tucson at approximately 1/3 mile north of Broadway Boulevard and approximately 3/4 mile east of Interstate 10. The site boundary is a northwest-trending area extending approximately 1,200 feet from the former Oliver's Cleaners facility at 300 E. 7th St. to approximately 150 feet north of 6th Street and approximately 100 feet east of 7th Avenue.

ADEQ is currently operating a soil vapor extraction (SVE) system as an early response action for the site. To date, over 700 pounds of volatile organic compounds have been recovered by the SVE system. Additional monitoring wells are scheduled to be installed and groundwater monitoring activities are on-going. No drinking water wells have been impacted by the contamination from the site. The remedial investigation has not been initiated.

Contaminants of concern at the site include tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (cis-1,2-DCE).

16th Street and Camelback Road – This site was placed on the WQARF Registry in April 1999 and has a score of 23. The site is located in Phoenix and is bounded approximately by Medlock Drive to the north, Highland Avenue to the south, 17th Street to the east and 14th Place to the west.

Based on the results of an Early Response Action Evaluation conducted in 2003, ADEQ determined that soil vapor extraction was not a feasible remedy for the site. ADEQ is currently evaluating other potential remedies for the site, and groundwater monitoring activities are on-going. The remedial investigation has not been initiated.

Contaminants of concern at the site include tetrachloroethene (PCE), 1,2-dichloropropane and 1,2-dichloroethane (1,2-DCA).

20th Street and Factor Avenue – This site was placed on the WQARF Registry in March 2000 and has a score of 31. The site is located in Yuma, approximately 1/2 mile south of 16th Street and approximately 3/4 mile east of 4th Avenue.

In 2002, ADEQ conducted a soil removal action and cleaned out sumps and septic tanks at an active facility as part of an early response action. Groundwater monitoring activities are on-going and no drinking water wells have been impacted by the contamination from the site.

Contaminants of concern at the site include tetrachloroethene (PCE), trichloroethene (TCE) and cyanide.

56th Street and Earll Drive – This site was placed on the WQARF Registry on June 2, 2004 and has a score of 40. The site is located in Phoenix and bounded to the north by Earll Drive, to the south by McDowell Road, to the east by 56th Street, and to the west by 36th Street.

The site was originally investigated as part of the Motorola 52nd Street National Priorities List (NPL) Site. However, groundwater data from both sites indicate that the two trichloroethene (TCE) groundwater contaminant plumes are separate and distinct plumes. Therefore, the site was disassociated from the larger Motorola 52nd Street NPL Site. ADEQ is working cooperatively with a party potentially responsible for the contamination to further evaluate the site and develop a cleanup strategy. An Early Response Action (ERA) Evaluation has been completed, and the working party is currently designing an ERA groundwater pump and treat system. A community advisory board has been established for this site.

Contaminants of concern at the site include TCE.

Broadway-Pantano – This site was placed on the WQARF Registry in December 1998 and has a score of 57. The site is located in the east-central part of Tucson and is bounded approximately by

Speedway Boulevard to the north, Pantano Wash to the east, Broadway Boulevard to the south, and Sahuara Avenue (one half mile to the west of Wilmot Road) to the west.

The general groundwater flow direction is to the west. Four Tucson Water production wells have been removed from service as a result of groundwater contaminated with volatile organic compounds (VOCs). A groundwater containment system has been installed to prevent further westward migration of contaminated groundwater and impacts to additional wells. Confirmed sources of the groundwater contamination are the former Broadway North and South Landfills. A soil vapor extraction system was installed at the Broadway North Landfill in 2000 to remove and treat contaminated VOC landfill gases contributing to the groundwater contamination. This system was operated until 2002 and removed over 5,000 pounds of VOCs. The groundwater Remedial Investigation (RI) Report is nearing completion. The landfill RI is still in progress, and a community advisory board has been established for this site.

Contaminants of concern at the site include tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE), methylene chloride and vinyl chloride.

Central Avenue and Camelback Road – This site was placed on the WQARF Registry in June 2000 and has a score of 32. The site is located in Phoenix, and the boundaries of the site are approximately Missouri Avenue to the north, Central Avenue to the east, Pierson Street to the south, and approximately 600 feet west of Central Avenue as the western boundary.

In January 2003, ADEQ completed construction of a groundwater treatment system to remediate and control the migration of contaminated groundwater at the site as an early response action (ERA). The groundwater pump and treat system has been in operation since January 2003 and treats approximately 100 gallons per minute (gpm) of groundwater. In June 2004, ADEQ initiated an ERA Evaluation of the Maroney's Drycleaner facility. Based on the results of the ERA Evaluation, soil vapor extraction (SVE) was proposed for remediation of tetrachloroethene (PCE) contaminated soil beneath the site. The SVE system was installed in November 2007 and is currently in operation. The remedial investigation was initiated in 2007, and a community advisory board has been established for this site.

Contaminants of concern at the site include PCE, trichloroethene (TCE), cis-1,2-dichloroethene (DCE) and vinyl chloride. Other contaminants present due to past releases from gasoline underground storage tanks in the area include benzene, toluene, ethylbenzene, total xylenes, methyl tertiary butyl ether (MTBE), and 1,2-dichloroethane (DCA).

Cooper Road and Commerce Avenue – The site was listed on the WQARF Registry on June 14, 2004 and has a score of 33. The site is located in Gilbert near Guadalupe Road and Baseline and is

bounded approximately to the north by Guadalupe Road, to the south by the Western Canal, to the east by the Gilbert Wastewater Treatment Plant and to the west by Cooper Road.

Tetrachloroethene (PCE) and trichloroethene (TCE) have been detected in the groundwater at the site. In 2001, groundwater samples collected from a Town of Gilbert monitoring well detected PCE concentrations above the aquifer water quality standard. A Town of Gilbert public supply well is located nearby. Installation of off-site monitor wells began in 2003, and quarterly groundwater monitoring has been conducted at the site since March 2005. ADEQ initiated an Early Response Action (ERA) Evaluation of the site in March 2006 to collect data necessary to characterize the source areas of volatile organic compounds and metals contamination at the site. The ERA Evaluation consisted of drilling and sampling 20 soil borings and installation of two soil vapor extraction/air sparge (SVE/AS) wells, a groundwater extraction well and three soil vapor monitor wells. Construction of the SVE/AS and groundwater pump and treat remediation system was completed in July 2008. A community advisory board has been established for the site.

Contaminants of concern at the site in groundwater include PCE and TCE. Contaminants of concern in the soils at the site include PCE, arsenic, chromium, copper, total petroleum hydrocarbons, mercury, and lead.

East Central Phoenix (ECP) 24th Street and Grand Canal – This site was placed on the WQARF Registry in May 2000 and has a score of 29. The site is located in Phoenix, and the current site boundary is a 400 foot diameter area surrounding the Salt River Project (SRP) Well 16E-6.8N, which is approximately 30 feet to the east of 24th Street and ten feet to the north of the Grand Canal.

ADEQ prepared a fact sheet as part of the § 49-287.03 notification to begin the remedial investigation (RI) for the site. ADEQ sent all § 49-287.03 notices and fact sheets out on June 22, 2007. A community advisory board has been established for this site.

Contaminants of concern at the site include tetrachloroethene (PCE).

ECP 32nd Street and Indian School Road – This site was placed on the WQARF Registry in May 2000 and has a score of 29. The site is located in Phoenix, and has two separate areas of groundwater contamination. The northwest plume is approximately 200 feet wide by 300 feet long. The northeastern edge is approximately 150 feet south of Monterosa Street and 50 feet west of 32nd Street. The southwestern edge is approximately 75 feet north of Indian School Road and 350 feet west of 32nd Street. The southeastern plume is approximately 200 feet wide by 500 feet long. The northeastern edge of this plume is approximately 25 feet south of Indian School Road and 100 feet east of 32nd Street. The southwestern edge is approximately 400 feet south of Indian School Road and 200 feet west of 32nd Street.

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ADEQ initiated a soil vapor extraction (SVE) early response action (ERA) in December 2004, and approximately 3,100 pounds of PCE have been removed through December 2006. ADEQ prepared a fact sheet as part of the § 49-287.03 notification to begin the RI for the site. ADEQ sent all § 49-287.03 notices and fact sheets out on June 22, 2007. A community advisory board has been established for this site.

Contaminants of concern at the site include PCE.

ECP 38th Street and Indian School Road – This site was placed on the WQARF Registry in September 1998 and has a score of 25. The site is located in Phoenix, and the approximate site boundaries are Indian School Road to the north, 38th Street to the east, Picadilly Road to the south and 36th Street to the west.

ADEQ prepared a fact sheet as part of the § 49-287.03 notification to begin the RI for the site. ADEQ sent all § 49-287.03 notices and fact sheets out on June 22, 2007. A community advisory board has been established for this site.

Contaminants of concern at the site include PCE.

ECP 40th Street and Indian School Road – This site was placed on the WQARF Registry in September 1998 and has a score of 25. The site is located in Phoenix, and the approximate site boundaries are Devonshire Avenue on the north, 40th Street to the east, Amelia Avenue to the south, and 38th Street to the west.

ADEQ conducted an ERA, which consisted of a soil vapor extraction and air sparging system to remediate the source of PCE in the soil and groundwater. The system was started on December 20, 2004 and extracted approximately 35 pounds of PCE from the subsurface. The system was shut down in June 2005.

ADEQ prepared a fact sheet as part of the § 49-287.03 notification to begin the RI for the site. ADEQ sent all § 49-287.03 notices and fact sheets out on June 22, 2007. A community advisory board has been established for this site.

Contaminants of concern at the site include PCE and trichloroethene (TCE).

ECP 40th Street and Osborn Road – This site was placed on the WQARF Registry in May 2000 and has a score of 30. The site is located in Phoenix, and the current site boundary is an 800 foot diameter area surrounding the Salt River Project Well 17.9E-7.5N, which is approximately 400 feet to the west of 40th Street and 50 feet to the south of Osborn Road.

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ADEQ prepared a fact sheet as part of the § 49-287.03 notification to begin the RI for the site. ADEQ sent all § 49-287.03 notices and fact sheets out on June 22, 2007. A community advisory board has been established for this site.

Contaminants of concern at the site include PCE.

ECP 48th Street and Indian School Road – This site was placed on the WQARF Registry in March 1999 and has a score of 32. The site is located in Phoenix and is bounded approximately by a line 450 feet north of Indian School Road to the north, a line 300 feet west of 48th Street to the east, a line 150 feet south of Indian School Road to the south and 45th Place to the west.

ADEQ and SRP have entered into an agreement to conduct a source control interim remedial action (IRA). As part of the IRA, SRP constructed an SVE system to remediate the source of PCE in soil at the site. Approximately 295 pounds of PCE have been removed since start-up in February 2006. Groundwater monitoring activities are currently being conducted at the site.

ADEQ prepared a fact sheet as part of the § 49-287.03 notification to begin the RI for the site. ADEQ sent all § 49-287.03 notices and fact sheets out on June 22, 2007. A community advisory board has been established for this site.

The contaminant of concern at the site is PCE.

East Washington Fluff – This site was placed on the WQARF Registry in June 1999 and has a score of 34. The site is located in Phoenix at 433 E. Buckeye Road and is 10 acres in size.

An early response action (ERA) was conducted to remove auto shredder fluff piles and install a protective cap to prevent exposure to contaminants. The ERA was completed in September 2001. The remedial investigation, feasibility study and proposed remedial action plan have been completed. On May 18, 2007, a declaration of environmental use restriction (DEUR) was placed on the site that provides for a non-residential use restriction and acknowledges that there is an engineering control on the site.

Contaminants of concern in soil at the site include arsenic, lead, cadmium and polychlorinated biphenyls (PCBs). The contaminants of concern have not been detected above aquifer water quality standards in groundwater beneath the site.

Estes Landfill – This site was placed on the WQARF Registry in April 1998 and has a score of 50. The site is located in Phoenix, south of Sky Harbor Airport and is bounded approximately by the Salt River to the north, Magnolia Street to the south, State Route 153 to the east, and 40th Street to the west.

The remedial investigation, feasibility study and proposed remedial action plan have been completed. ADEQ is evaluating comments on the PRAP and preparing a responsiveness summary. In January 2008, methane and volatile organic compound vapor samples were collected from the landfill.

Contaminants of concern at the site include vinyl chloride, cis-1,2-dichloroethene (DCE), trichloroethene (TCE), benzene, bis(2-ethylhexyl)phthalate, arsenic, barium, chromium, manganese, and lead in groundwater; in soil include lead, arsenic, and thallium.

Klondyke Tailings – This site was placed on the WQARF Registry in September 1998 and has a score of 69. The site is located in the unincorporated Town of Klondyke on the north bank of the Aravaipa Creek approximately 4.5 miles upstream of the Aravaipa Canyon Wilderness Area. The site is comprised of two piles of mine tailings, the soil between and adjacent to these piles, and the area approximately 50 feet into the stream bed of Aravaipa Creek, which is directly adjacent to the tailings piles. The Site is bounded to the east and north by the Klondyke County Road.

ADEQ has completed several studies during the remedial investigation phase of the site investigation including a bioavailability study, biological study, archeological & cultural resources surveys and an acid-base accounting study. Private wells in the area were sampled to help determine the impacts of the tailings on the groundwater. No contaminants were found in the groundwater above regulatory levels. Sampling to determine the extent of off-site soil contamination began in 2006. To date, approximately 2,500 soil samples have been collected from the site and adjacent properties and analyzed by x-ray fluorescence. The limits of the 400 mg/kg residential soil remediation level for lead have been defined to extend approximately 1/2 mile from the site and impact nine properties adjacent to the site.

Early response action activities continue at the site. These activities have included geophysical surveys to identify the presence of buried tanks or drums and minor repairs to the berms on the tailings piles to prevent erosion by rainfall. Aerial photography, topographic mapping, historic aerial photography analysis, floodplain delineation and analysis of the 10, 25, 50 and 100-year floodplains, and a geomorphology study of Aravaipa and Laurel Creeks were done to evaluate possible remedies due to the site's location near these creeks. ADEQ selected gabion mattresses for erosion protection in October 2007. Erosion protection installation began in March 2008. As of June 30, 2008, erosion protection installation is complete on the upper tailings pile, and the clean soil cap has been seeded. A community advisory board has been established for the site.

Contaminants of concern at the site include lead, cadmium, antimony, beryllium, copper, manganese, arsenic, and zinc.

Los Reales Landfill – This site was placed on the WQARF Registry in April 1999 and has a score of 32. The site is an active municipal sanitary landfill approximately 380 acres in size located in southeast Tucson and has been in operation since 1967.

The City of Tucson (City) has implemented a groundwater pump and treat system as required by an existing remedial action plan. A portion of the treated water is re-injected into the aquifer and a portion is used for dust control at the landfill. The City has identified additional groundwater contamination at the landfill and has completed additional site characterization. After the full extent of contamination is determined, the groundwater treatment system will be expanded to treat additional contaminated water.

Contaminants of concern at the site include tetrachloroethene (PCE) and trichloroethene (TCE).

Miracle Mile – This site was placed on the WQARF Registry in September 1998 and has a score of 62. The site is located in Tucson and is bounded approximately by Wetmore Road to the north, Prince Road to the south, Flowing Wells Road to the east, and La Cholla Boulevard to the west.

The local water provider is operating an ADEQ funded wellhead treatment system as an early response action for the regional aquifer. The Draft Remedial Investigation Report has been completed and submitted for public comment. ADEQ is currently working on finalizing the proposed remedial objectives for the site. A community advisory board has been established for this site.

Contaminants of concern at the site include trichloroethene (TCE) and chromium.

Park-Euclid – This site was placed on the WQARF Registry in April 1999 and has a score of 51. The site is in Tucson and is approximately bounded by 9th Street to the north, 14th Street to the south, Santa Rita Avenue to the east, and Park Avenue to the west.

ADEQ is continuing to monitor groundwater conditions upgradient from the University of Arizona water supply wells. A feasibility study has been initiated and a community advisory board has been established for this site.

Contaminants of concern at the site include tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2-dichloroethene (cis-1,2-DCE).

Payson PCE – This site was placed on the WQARF Registry in April 1998 and has a score of 63. The site is located in Payson and is bounded approximately by Frontier Street to the north, Aero Drive to the south, Beeline Highway (State Route 87) to the east, and McLane Road to the west.

Two groundwater treatment systems have been constructed. The Interim Groundwater Treatment System (IGTS) was constructed to remediate the contamination in the source area. The IGTS was operated from October 1998 to January 2003 and was shut down due to lowered levels of contamination. The Expanded Groundwater Treatment System (EGTS) began operation in October 1998 and continues to operate at the site treating contaminated water and preventing the contamination plume from migrating further. Treated water from the EGTS is delivered to the Town of Payson drinking water system. A soil vapor extraction system was installed in August 2001 and has been shut down after contaminants were removed. The remedial investigation, feasibility study and proposed remedial action plan have been completed. ADEQ completed the record of decision for the site in June 2007. The site is currently in the operation and maintenance phase.

The contaminant of concern in the groundwater at the site is tetrachloroethene (PCE).

Pinal Creek – This site was placed on the WQARF Registry in October 1998 and has a score of 97. The site is located in Gila County in and around the communities of Globe, Miami, Claypool and Wheatfields. The site includes the BHP Copper and Phelps Dodge Miami Mining properties, and the drainages and underlying aquifers of Miami Wash, Bloody Tanks Wash, Russell Gulch, and Pinal Creek. The site also includes the entire floodplain of Pinal Creek from the Old Dominion Mine to the Salt River, plus those portions of the communities underlain by contaminated groundwater.

The Pinal Creek Group (PCG), which consists of BHP, Phelps Dodge and Inspiration Copper, has been conducting remedial actions including source control since 1988. They have completed remedial investigations, risk assessments, a feasibility study and a recommended remedial action plan. They have also conducted a well replacement program for contaminated private and public supply wells. The PCG has been conducting groundwater extraction and treatment from the alluvial and the regional aquifers since 1988.

Contaminants of concern in groundwater at the site include heavy metals such as aluminum, iron, manganese, copper, cobalt, nickel, zinc, cadmium, and other contaminants such as sulfate, acidity and dissolved solids. Localized soil and stream sediment contamination are being investigated; contaminants of concern include arsenic, lead, copper, cadmium, manganese, nickel and zinc.

Shannon Road/El Camino del Cerro – The El Camino del Cerro WQARF Site and Shannon Road-Rillito Creek WQARF Site were administratively combined into one site (the Shannon Road/El Camino del Cerro WQARF Site) in January 2005 based on sampling results showing there is a single plume. The El Camino del Cerro Site was placed on the WQARF Registry in August 1998 and has a score of 71. The Shannon Road-Rillito Creek Site was placed on the WQARF Registry in April 1999, and has a score of 53.

This site is located in northwest Tucson and is bounded approximately by Orange “Grove Road on

the north, Meadowbrook Park on the east (north of the Rillito River), El Camino del Cerro Road on the south, and Camino de la Tierra and the Santa Cruz River on the west. The site consists of industrial and residential properties and a former landfill which occupies approximately 20 acres in the southwest portion of the site.

The contaminant plume has impacted three community wells, which were removed from service. One of these wells now has a wellhead treatment system which removes volatile organic compounds and arsenic in the groundwater in order to meet drinking water standards. The remedial investigation is in progress, and a joint community advisory board has been established for the site.

Contaminants of concern at the site include tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethene (1,1-DCE), vinyl chloride, benzene, and lead.

Silverbell Landfill – This site was placed on the WQARF Registry in April 1999 and has a score of 51. The site is located in Tucson at 3200 N. Silverbell Rd. in northwest Tucson. The site is bounded approximately by Sweetwater Drive on the north, Grant Road/Ironwood Hills Drive on the south, Interstate 10 on the east, and Silverbell Road on the west, and is comprised of approximately 40 acres.

The City of Tucson (City) has installed a pump and treat system to extract and clean up groundwater and a soil vapor extraction system to treat soils beneath the landfill as required by an existing remedial action plan. The City is currently evaluating alternative methods for groundwater remediation at the landfill.

Contaminants of concern at the site include tetrachloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-1,2-DCE) and vinyl chloride.

South Mesa – This site was placed on the WQARF Registry in August 1998 and has a score of 31. The site is located in Mesa and Gilbert and is bounded approximately by 10th Avenue to the north, Stapley Drive to the east, and the railroad south of Baseline Road to the south and west.

Two remedial action projects at the site have significantly reduced the contamination by treating pumped groundwater and extracting vapors from the soil. ADEQ began an early response action in June 2004 to address the remaining subsurface contamination. A soil vapor extraction (SVE) well was installed and connected to the existing SVE system, and the system began operations in September 2004. ADEQ shutdown the SVE system in November 2007 and removed it from the site in June 2008. The remedial investigation (RI) has been completed, and the Draft RI Report is undergoing ADEQ review. A community advisory board has been established for this site.

Contaminants of concern at the site include tetrachloroethene (PCE), chromium, nickel, and manganese.

Tonto and Cherry – This site was placed on the WQARF Registry in June 2000 and has a score of 45. The site is located in Payson, approximately 150 feet from Colcord Road just north of Frontier Street. The site boundary is a northwest-trending area, extending approximately 850 feet from the intersection of Colcord Road and Frontier Street.

The remedial investigation and feasibility study reports have been completed. The Proposed Remedial Action Plan was prepared and went out for public comment in July 2008. No public comments were received. ADEQ is currently preparing the Record of Decision for the site. A community advisory board has been established for this site.

Contaminants of concern at the site include tetrachloroethene (PCE).

Tyson Wash – This site was placed on the WQARF Registry in December 1998 and has a score of 46. The site is located in the Town of Quartzsite and has boundaries approximately 300 feet to the north of Cowell Lane, 400 feet east of Washington Boulevard, 300 feet south of Cowell Lane, and 200 feet west of Oregon Avenue.

As part of an early response action a groundwater treatment system has been constructed and is currently being operated to prevent migration of the plume to private drinking water wells. The remedial investigation has been completed for the site, and the Proposed Remedial Action Plan was completed in June 2008 with no comments received from the public. A community advisory board has been established for this site.

Contaminants of concern at the site include tetrachloroethene (PCE) and trichloroethene (TCE).

Vulture Mill – This site was placed on the WQARF Registry in April 1998 and has a score of 65. The site is located just east of U.S. Route 89/93 about one mile northwest of the center of the Town of Wickenburg. The eastern boundary of the site is approximately 1/4 mile west of the Hassayampa River Channel.

The Record of Decision was signed in September 1999, and ADEQ has implemented the remedy, which consists of excavation of contaminated soil, placement in a consolidation pile, installation of a clean soil cover, backfilling with clean soil, and groundwater monitoring and institutional controls for installation of new wells.

Contaminants of concern at the site include lead, arsenic and mercury.

West Central Phoenix (WCP) East Grand Avenue – This site was placed on the WQARF Registry in April 1998 and has a score of 31. The site is located in Phoenix and is bounded

approximately by the Grand Canal to the north, 27th Avenue to the east, Thomas Road to the south, and 35th Avenue to the west.

The field investigative activities were completed in December 2001. The Remedial Investigation (RI) Report has been completed. In 2004, a working party constructed and still operates a soil vapor extraction (SVE) system at the former Van Waters & Rogers facility. To date, over 1,000 pounds of volatile organic compounds (VOCs) have been removed. The working party is in the process of completing the feasibility study (FS). A community advisory board has been established for this site.

Contaminants of concern at the site include tetrachloroethene (PCE) and trichloroethene (TCE).

WCP North Canal Plume – This site was placed on the WQARF Registry in June 1998 and has a score of 27. The site is located in Phoenix, and the approximate boundaries of this site are Indian School Road to the north, Grand Avenue to the east, West Flower Street to the south, and 40th Avenue to the west.

The RI was initiated in February 2001, and ADEQ conducted early response action (ERA) evaluations in 2005. A Draft RI Report was completed for the project area, and the Final RI Report is in the process of completion. A community advisory board has been established for this site.

Contaminants of concern at the site include PCE, TCE and chromium.

WCP North Plume – This site was placed on the WQARF Registry in April 1998 and has a score of 55. The site is located in Phoenix and is bounded approximately by West Highland Avenue to the north, 37th Avenue to the east, Indian School Road to the south and 44th Avenue to the west.

The RI is underway, and an SVE system was installed at the F&B facility as part of an ERA. To date, the SVE system has removed over 41,000 pounds of VOCs. Further ERA evaluations are being conducted to address groundwater contamination. A community advisory board has been established for this site.

Contaminants of concern at the site include PCE and TCE.

WCP West Grand Avenue – This site was placed on the WQARF Registry in April 1998 and has a score of 22. The site is located in Phoenix and is bounded approximately by Osborn Road to the north, 31st Avenue to the east, Thomas Road to the south and 35th Drive to the west.

The RI has been completed and a Draft RI Report was completed along with the remedial objectives (ROs) for the site. A community advisory board has been established for this site.

The contaminant of concern at the site is TCE.

WCP West Osborn Complex – This site was placed on the WQARF Registry in August 1998 and has a score of 52. The site is located in Phoenix and is bounded approximately by the Grand Canal to the north, 31st Avenue to the east, McDowell Road to the south and 55th Avenue to the west.

A Draft RI Report has been completed as well as the ROs for the site. Work is being conducted to prepare an FS for the project area. A community advisory board has been established for this site.

Contaminants of concern at the site include TCE and PCE.

West Van Buren – This site was placed on the WQARF Registry in April 1998 and has a score of 50. The site is located in Phoenix and is bounded approximately by McDowell Road to the north, 7th Avenue to the east, Buckeye Road to the south and 75th Avenue to the west. In addition, a finger shaped plume exists between Seventh Avenue and 27th Avenue between Buckeye Road and Lower Buckeye Road.

Dolphin Incorporated began operation of a soil vapor extract (SVE)/air sparge (AS) system at the Dolphin facility in October 1998. In December 2002, Dolphin received authorization from ADEQ for shut-down of the SVE/AS system. In August 2002, ADEQ issued a no further action (NFA) determination for the former Van Waters and Rogers facility. SVE/AS and groundwater pump and treat remediation systems began operation in March 2001 at the former American Linen Supply Company (ALSCo). The SVE/AS was discontinued in May 2003 because the response action objectives were attained. The groundwater pump and treat system continued operations until September 12, 2003 at which time ADEQ determined the system had reached its limit of effectiveness. ADEQ granted ALSCo an NFA determination for soil on March 24, 2008.

The remedial investigation is in progress, and additional monitoring wells have been installed by ADEQ to delineate the extent of the contamination and further investigate potential source areas. A community advisory board has been established for this site.

Contaminants of concern at the site include tetrachloroethene (PCE), trichloroethene (TCE), 1,1-dichloroethene (DCE), 1,1-dichloroethane (DCA), cis-1,2-dichloroethene (cis-1,2-DCE) and chromium.

Western Avenue Plume – This site was placed on the WQARF Registry in December 1998 and has a score of 51. The site is located in Avondale and Goodyear and is bounded approximately by Hill Drive to the north, 3rd Street to the east, and Litchfield Road to the west. The southern boundary proceeds on a southwesterly angle approximately 1000 feet north of State Route 85 until it reaches the western boundary just north of the entrance to the Phoenix-Goodyear Airport.

The Draft Remedial Investigation Report has been completed. ADEQ is currently working on finalizing the remedial objectives for the site. A community advisory group has been established for this site in conjunction with the Phoenix-Goodyear Airport Superfund Site.

The contaminant of concern at the site is tetrachloroethene (PCE).

RI = remedial investigation

FS = feasibility study

ERA = early response action

PRAP = preliminary remedial action plan

ROD = Record of Decision